CEORP-OR-RL-L

24 July 1991
FOWLES/jmf/412/639-3895

MEMORANDUM FOR MANAGERS

SUBJECT: 1991 Gypsy Moth Egg Mass Counts

1. Reference, Gypsy Moth Monitoring Program, subject as above.

2. Please conduct gypsy moth egg mass counts at your projects over the next few weeks. Forward the results of these surveys to me by 16 August 91. Use the same survey technique(s) as in previous years (e.g. 5-minute walk or 1/40th acre plot). Special emphasis should be placed on high-use recreation areas, natural areas, and mature stands of oak or hemlock-white pine. Such high priority areas having densities equal to, or greater than, 250 egg masses per acre, should be considered for treatment in 1992. This is determined in either of two ways. If the 5-minute technique is employed, the number of egg masses per acre ("Y") is calculated from the number of egg masses per sample plot ("X") using the formula: $Y = 20.56X + 14.58$. For example, if a total of 10 fresh egg masses are counted in a sample plot, the total number per acre using the formula would be approximately 220. This area would not be considered for spraying since the total is below the 250 threshold. If the 1/40th acre plot technique is employed, simply multiply the number of egg masses per sample plot by 40 to get the number of egg masses per acre ($Y = 40X$). For example, if a total of 10 egg masses are counted in a 1/40th acre sample plot, the total number per acre would be 400. This area would be considered for spraying since the total exceeds 250.

3. The result of your surveys should be forwarded to this office by 16 August. Include the following information: date of survey; technique employed (i.e. 5-minute walk or 1/40th acre plot); plot number; number of egg masses per plot; number of egg masses per acre. If you anticipate the need to spray in 1992, please attach your proposal with the following information: location of the proposed spray blocks (copies of 7 1/2 minute USGS topographic quadrangles with the spray blocks marked in red); estimated number of forested acres in each spray block; the average number of egg masses per acre within each proposed spray block.

4. The results of your egg mass surveys will be consolidated and forwarded to the U.S. Forest Service from this office. I will request Forest Service confirmation of the survey results at those projects requesting treatment in 1992. Spraying proposals will be forwarded to the appropriate state or federal agency for possible inclusion in the 1992 spraying program. Funds will be allocated under the U.S. Forest Service forest pest management program to cover the costs of spraying in 1992. Please contact me at Loyalhanna Lake if you have any questions.

Mike Fowles

J. MICHAEL FOWLES
Fish & Wildlife Specialist

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United States Department of Agriculture | Forest Service | Northeastern Area State and Private Forestry | 180 Canfield St. Morgantown, WV 26505

Reply To: 3460

Date: November 14, 1989

Mike Fowles
Army Corps of Engineers
Pittsburgh District
Loyalhanna Lake
RD #2
Saltsburg, PA 15681-9302

Dear Mike:

Enclosed are the results of the gypsy moth egg mass surveys conducted by Forest Pest Management and Corps personnel between August 12 and October 11, 1989, at 13 project sites in the Pittsburgh District. Our recommendations are also presented.

In summary, gypsy moth populations are high enough to cause moderate to severe defoliation at a number of projects. We recommend treatment at Conemaugh River, Crooked Creek, Loyalhanna, Mahoning Creek, and Youghiogheny River Lakes. Scattered light to moderate defoliation could also occur at Tionesta Lake. No action is needed at any of the other projects at this time.

In the past you have coordinated treatments with the State of Pennsylvania. We recommend that you pursue that avenue again in 1990. You will need to contact Mr. Larry Rhodes (717-948-3941) with the Division of Forest Pest Management in Middletown, PA in order to set this up. Contact Brad Onken or me if you need our assistance of if you have any questions about this report.

Sincerely,

NOEL F. SCHNEEBERGER
Entomologist
Forest Pest Management

Enclosure

cc: AO
Each Corps project
Larry Rhodes

NFS/mae